

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: DC-0259

Inventors: Eastman and Krieser

Serial No.: Not yet assigned

Filing Date: Herewith

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Title: DEOXYRIBONUCLEASE II β PROTEINS AND cDNAs

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By 
Typed Name: Kathleen A. Tyrrell, Registration No.38,350

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P.O. Box 1450
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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three

months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

- () In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:
 - () Certification in Accordance with §1.97(e) is set forth below; or
 - () The fee of \$240.00 as set forth in §1.17(p) is attached.
- () In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(i)(1).
- () Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

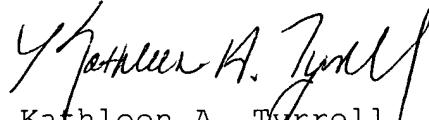
In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. 10/240,709, filed October 1, 2002, or application Serial No. 09/541,840, filed April 3, 2000, or application Serial No. 09/574,942, filed May 19, 2000, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

All listed references are in the English language.

Respectfully submitted,



Kathleen A. Tyrrell
Registration No. 38,350

Date: March 1, 2004

Licata & Tyrrell P.C.
66 E. Main Street
Marlton, New Jersey 08053

(856) 810-1515

Form PTO-1449 Modified		Docket No. DC-0259	Serial No. Not yet assigned
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Eastman and Krieser	
U.S. Department of Commerce		Filing Date Herewith	Group Not Yet Assigned

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AA	Barry et al., "Activation of Programmed Cell Death (Apoptosis) By Cisplatin, Other Anticancer Drugs, Toxins and Hyperthermia", <i>Biochem. Pharmacol.</i> 1990 40 :2353-2362
	AB	Sorenson et al., "Analysis of Events Associated With Cell Cycle Arrest G ₂ Phase and Cell Death Induced by Cisplatin", <i>J. Natl Cancer Inst.</i> 1990 82 :749-755
	AC	Barry, M.A. and Eastman, A., "Identification of Deoxyribonuclease II as an Endonuclease Involved in Apoptosis ^{1,2} ", <i>Archives of Biochem and Biophys.</i> 1993 300 (1):440-450
	AD	Cohen, J.J. and Duke, R.C., "Glucocorticoid Activation of a Calcium-Dependent Endonuclease in Thymocyte Nuclei Leads to Cell Death ¹ ", <i>J. Immunol.</i> 1984 132 :38-42
	AE	Eastman, A., "Deoxyribonuclease II in apoptosis and the significance of intracellular acidification", <i>Cell Death and Differentiation</i> 1994 1 :7-9
	AF	Kaufmann, S.H., "Induction of Endonucleolytic DNA Cleavage in Human Acute Myelogenous Leukemia Cells by Etoposide, Camptothecin, and Other Cytotoxic Anticancer Drugs: A Cautionary Note", <i>Cancer Res.</i> 1989 49 :5870-5878
	AG	Lennon et al., Induction of apoptosis (programmed cell death) in tumour cell lines by widely diverging stimuli", <i>Biochem. Soc. Trans.</i> 1990 18 :343-345
	AH	Enari, M. et al., "A caspase-activated DNase that degrades DNA during apoptosis, and its inhibitor ICAD", 1998 <i>Nature</i> 391 :43-50
	AI	McConkey et al., "Interleukin 1 Inhibits T Cell Receptor-mediated Apoptosis in Immature Thymocytes", <i>J. Biol. Chem.</i> 1990 265 :3009-3011

EXAMINER**DATE CONSIDERED**

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AJ	McConkey et al., "2,3,7,8-Tetrachlorodibenzo-p-dioxin Kills Immature Thymocytes by Ca ²⁺ -Mediated Endonuclease Activation", <i>Science</i> 1988 242 :256-259
AK	Peitsch et al., "Characterization of the endogenous deoxyribonuclease involved in nuclear DNA degradation during apoptosis (programmed cell death)", <i>EMBO J.</i> 1993 12 :371-377
AL	Rodriguez-Tarduchy et al., "Regulation of apoptosis in interleukin-3-dependent hemopoietic cells by interleukin-3 and calcium ionophores", <i>EMBO J.</i> 1990 9 :2997-3002
AM	Takano et al., "Apoptosis Induced by Mild Hyperthermia in Human and Murine Tumour Cell Lines: A Study Using Electron Microscopy and DNA Gel Electrophoresis", <i>J. Pathol.</i> 1991 163 :329-336
AN	Torriglia, et al., "Involvement of DNase II in Nuclear Degeneration during Lens Cell Differentiation", <i>J. Biol. Chem.</i> 1995 270 :28579-28585
AO	Wyllie, A.H., et al., "Cell Death: The Significance of Apoptosis", <i>Int. Rev. Cytol.</i> 1980 68 :251-306
AP	Tanuma, S. and Shiokawa, D., "Cloning of a cDNA Encoding a Rat DNase II-like Acid DNase", <i>Biochemical and Biophysical Research Communications</i> 1999 285 :395-399
AQ	Shiokawa D. and Tanuma S., "DLAD, a novel mammalian divalent cation-independent endonuclease with homology to DNase II", <i>Nucleic Acids Res.</i> 1999 27 (20):4083-4089

EXAMINER

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